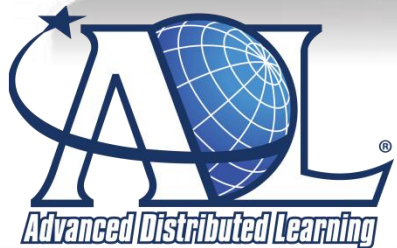


JKO

JOINT KNOWLEDGE ONLINE



JKO/ADL Mobile Pilot



Why Mobile?

“As part of this strategy, the delivery of credible, rigorous, and relevant training and education products through the medium of hand held devices for the individual Soldier provides the optimum delivery mechanism for the future force.”

Army Learning Concept 2015

Program Sponsors



The DoD unique and authoritative distributed learning training platform, leveraging technology to deliver, track and report training where other traditional training methods may not be cost effective or efficient.



The DoD Office of the Deputy Assistant Secretary of Defense (Readiness) initiative to harness the power of learning and information technologies to standardize and improve education and training.

History

- **Initiated with FY11-FY12 OSD AT&L Coalition Warfare Program (CWP) project.**
- **CWP Mobile Learning Environment (MoLE) project was sponsored to create a mobile medical application.**
- **Approximately 24 partner nations involved.**
- **Joint Staff J7 (Joint Knowledge Online) was the technology and transition lead for the MoLE project.**
- **CWP projects must result with transition of the capability to DoD and coalition partners.**
- **The CWP MoLE project transitioned into two applications:**
 - **The Global MedAid App - Worldwide medical use, including civilian medical community**
 - **The JKO Mobile Hybrid App – joint and coalition military training**

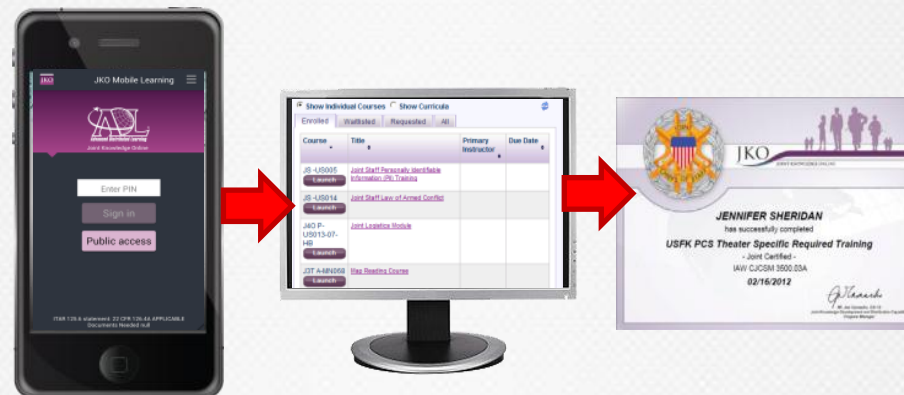
Features and Benefits

- **Free App available in Apple and Android App stores**
- **Download and complete courses on mobile device (tablets and phones)**
- **Course completions synch with JKO desktop system for tracking and reporting**
- **Download job aids**
- **Get the latest JKO news**
- **Access podcasts, videos and e-books**
- **Course content segregated by participating partners and PIN**
- **Public content and news announcements available without PIN**

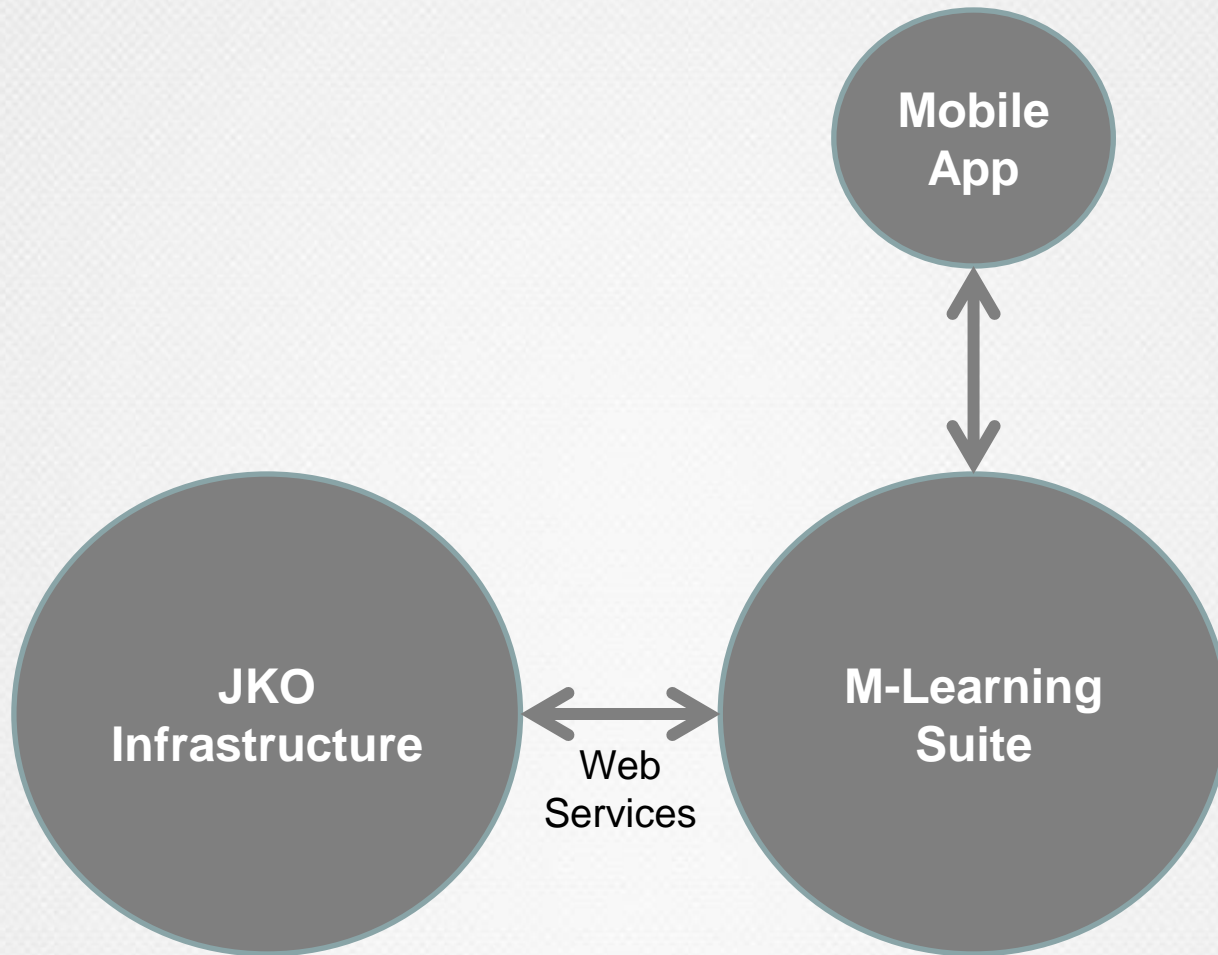


Courses Currently Available

- **USFK TDY Theater Specific Required Training**
- **USFK PCS Theater Specific Required Training**
- **Operational Swahili**
- **VCAT Afghanistan Pashto +L**
- **VCAT Afghanistan Dari +L**
- **Cross-Cultural Competence Trainer (3CT) for Civilians**



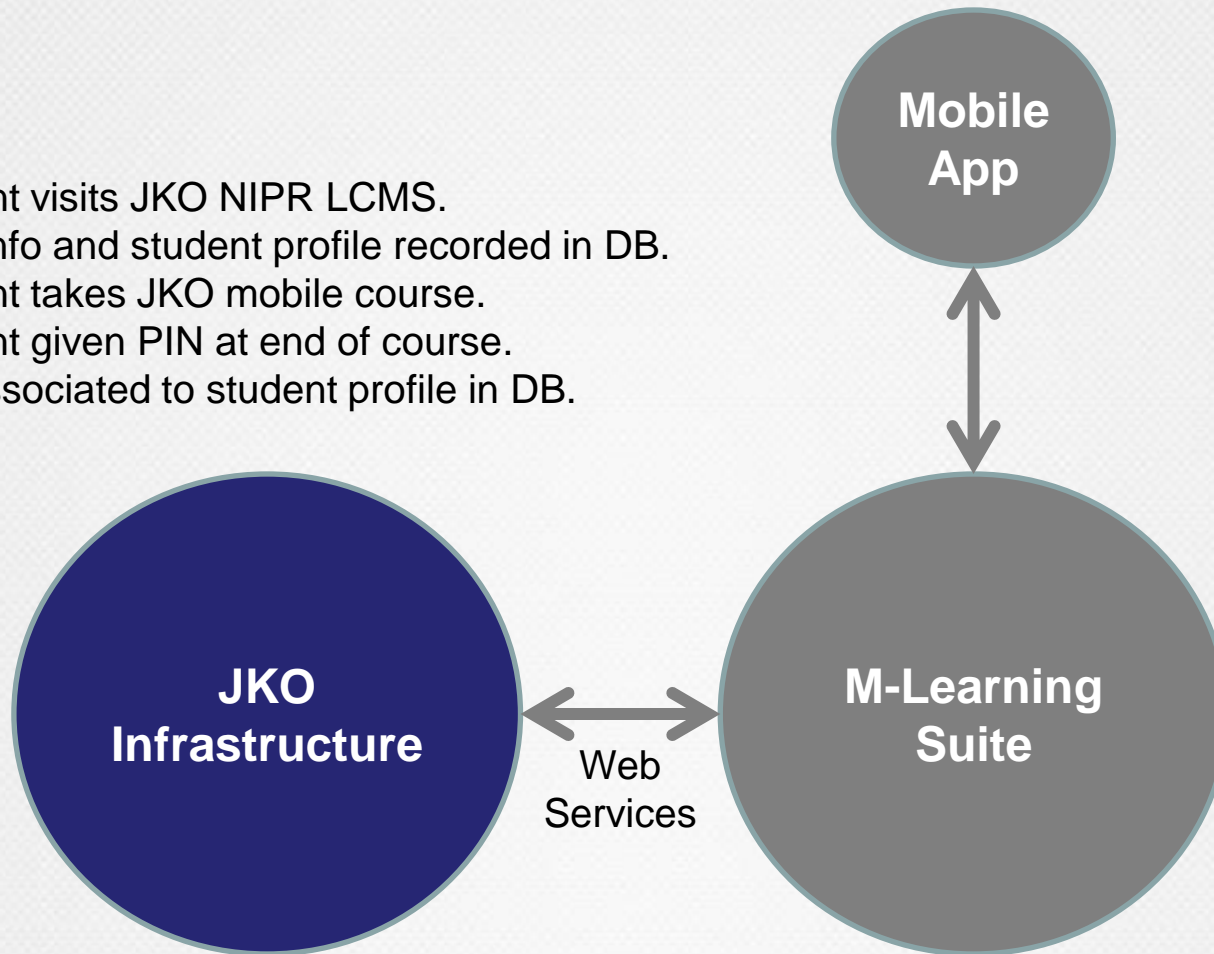
Simplified Architectural View



How it Works

Step 1 – Student gets PIN

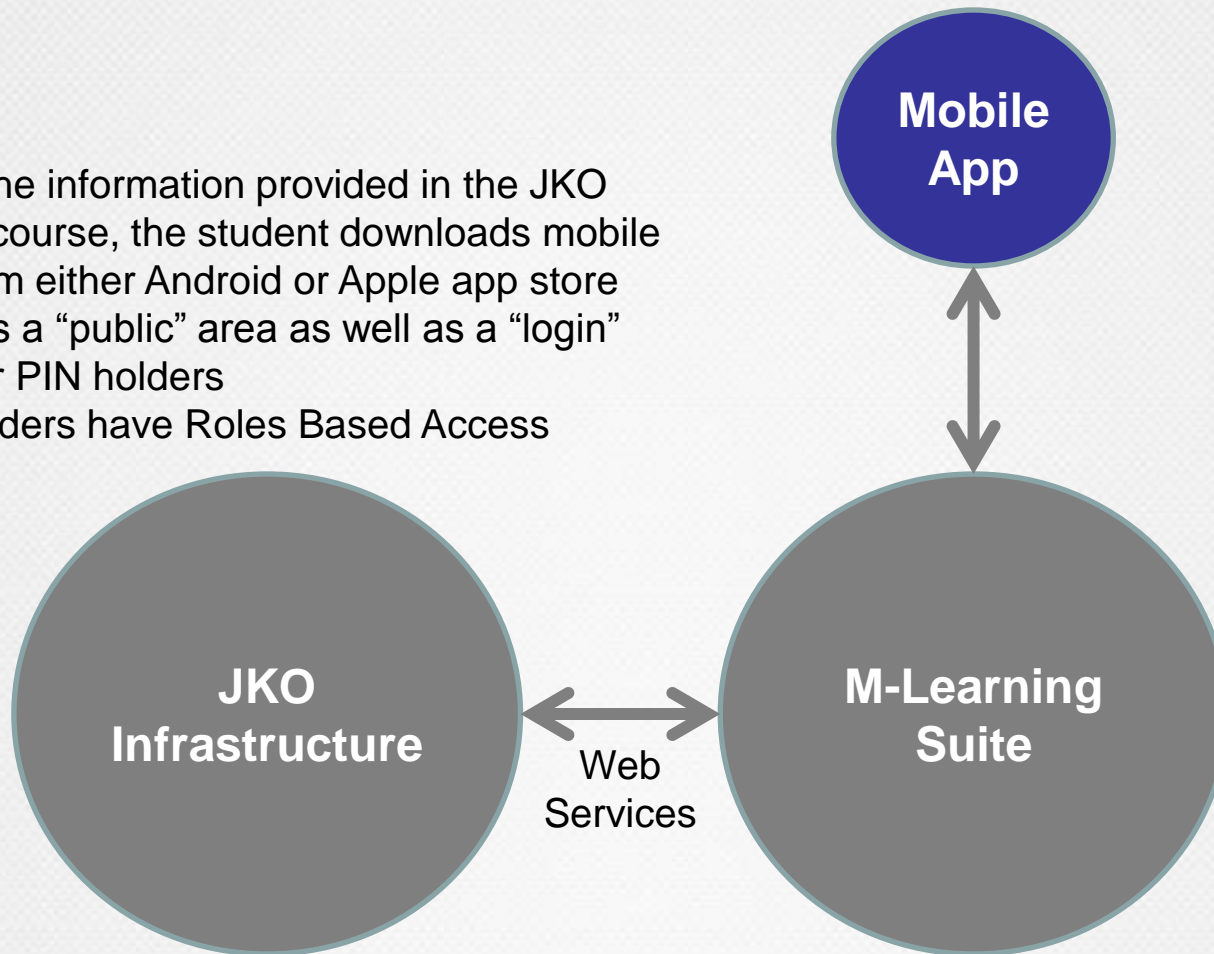
1. Student visits JKO NIPR LCMS.
2. CAC info and student profile recorded in DB.
3. Student takes JKO mobile course.
4. Student given PIN at end of course.
5. PIN associated to student profile in DB.



How it Works

Step 2 – Student gets App

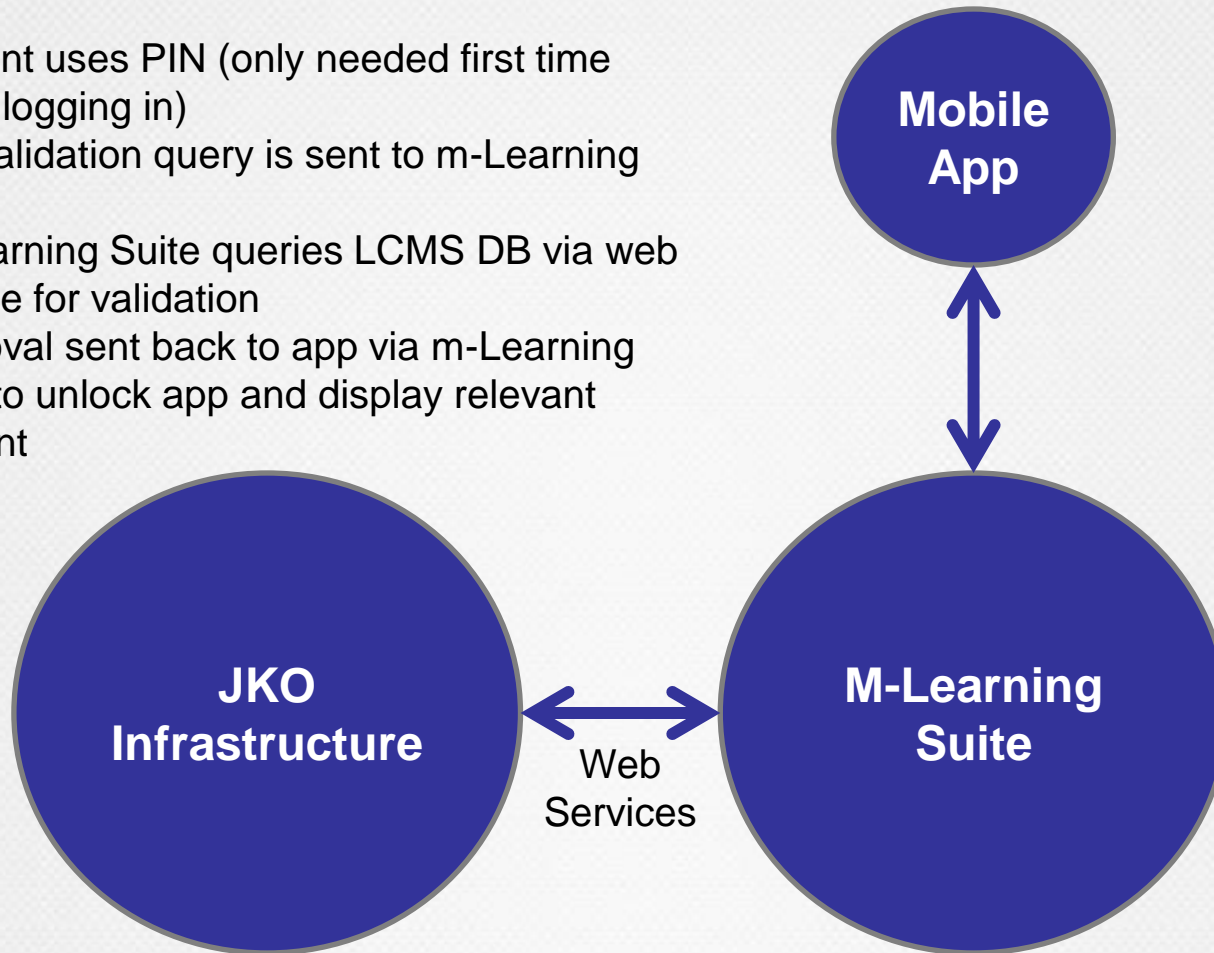
1. Using the information provided in the JKO LCMS course, the student downloads mobile app from either Android or Apple app store
2. There is a “public” area as well as a “login” area for PIN holders
3. PIN holders have Roles Based Access



How it Works

Step 3 – Student Logs In

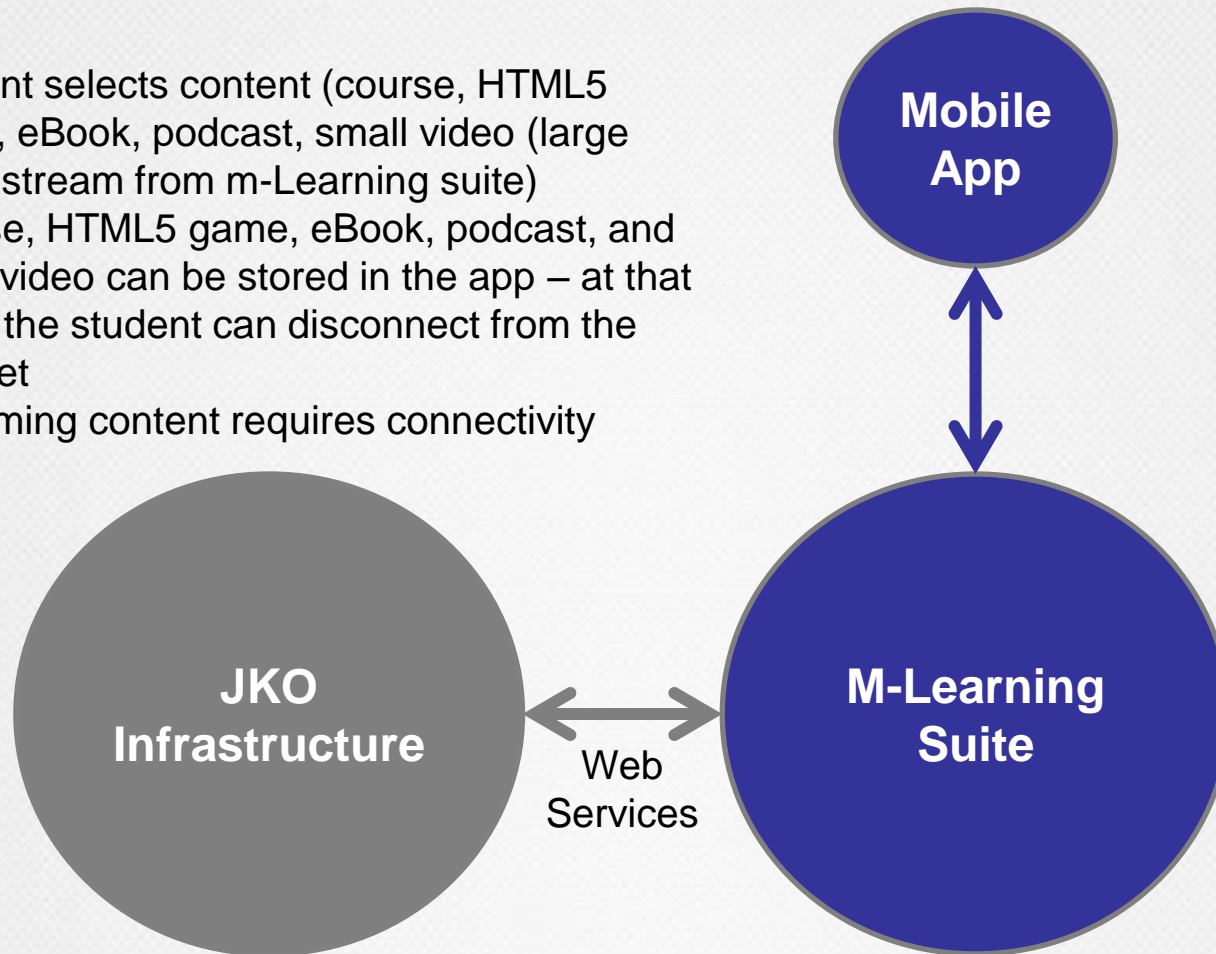
1. Student uses PIN (only needed first time when logging in)
2. PIN validation query is sent to m-Learning suite
3. M-Learning Suite queries LCMS DB via web service for validation
4. Approval sent back to app via m-Learning suite to unlock app and display relevant content



How it Works

Step 4 – Downloading Content

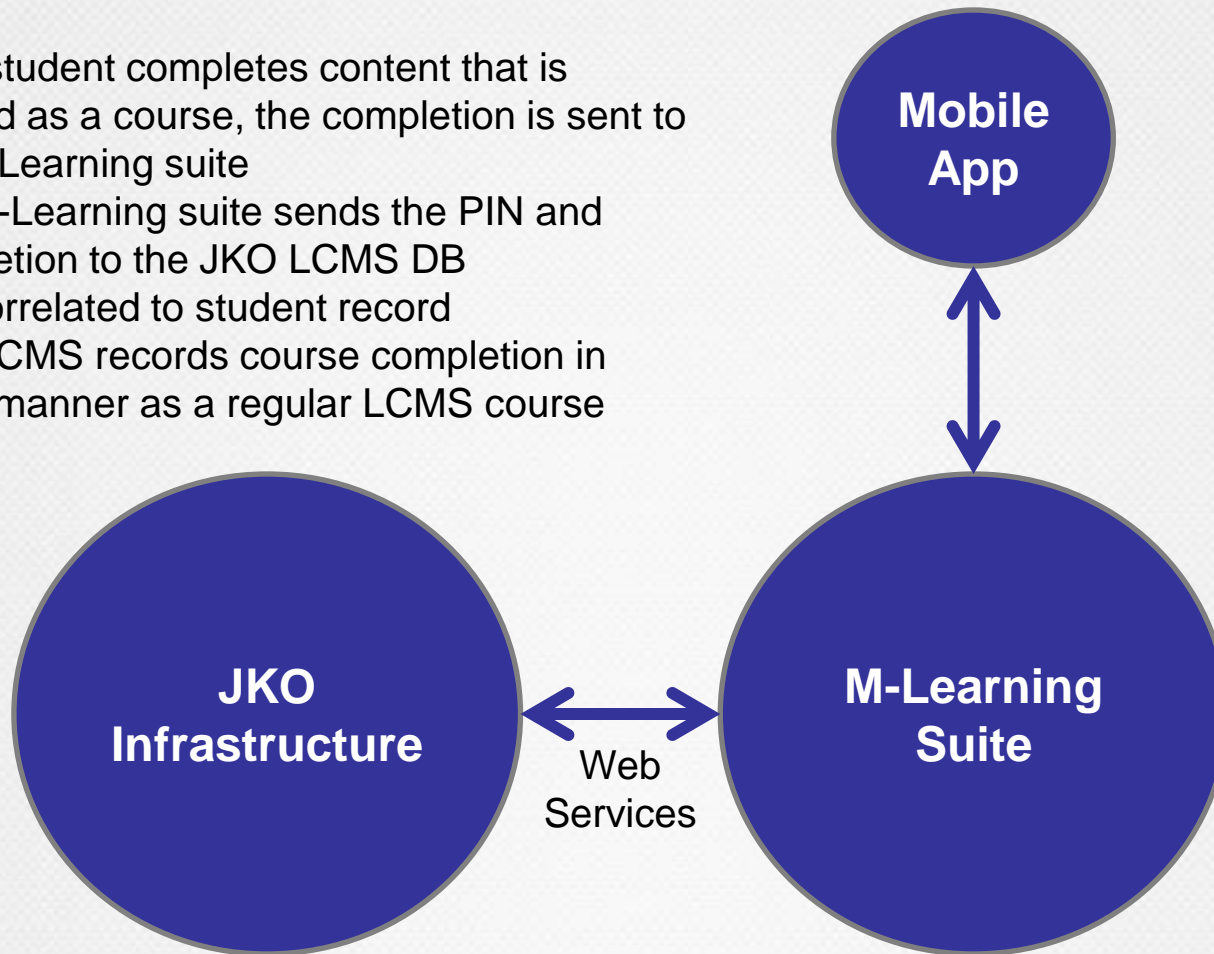
1. Student selects content (course, HTML5 game, eBook, podcast, small video (large video stream from m-Learning suite))
2. Course, HTML5 game, eBook, podcast, and small video can be stored in the app – at that point, the student can disconnect from the internet
3. Streaming content requires connectivity



How it Works

Step 5 – Course Completions

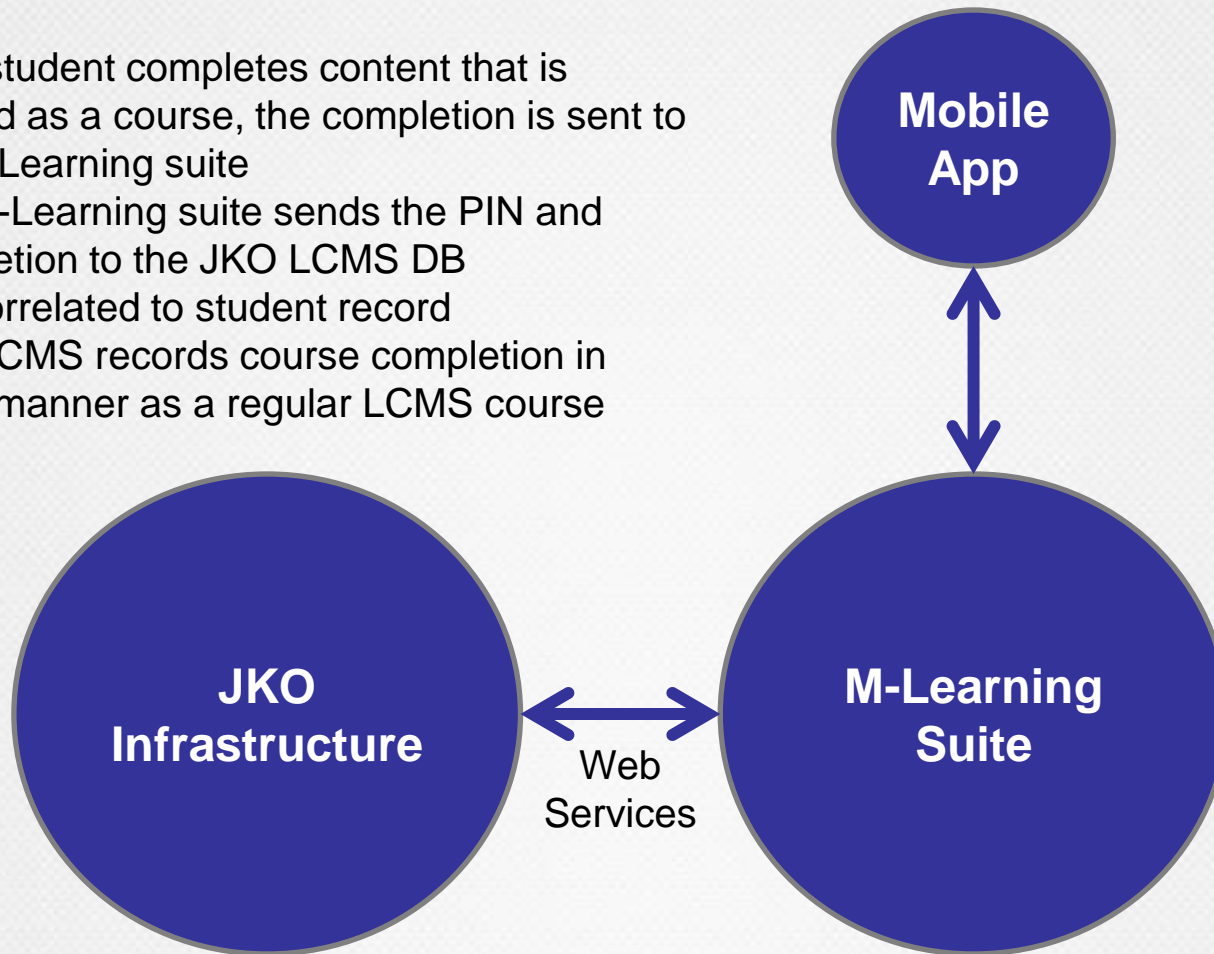
1. If the student completes content that is flagged as a course, the completion is sent to the m-Learning suite
2. The m-Learning suite sends the PIN and completion to the JKO LCMS DB
3. PIN correlated to student record
4. JKO LCMS records course completion in same manner as a regular LCMS course



How it Works

Step 5 – Course Completions

1. If the student completes content that is flagged as a course, the completion is sent to the m-Learning suite
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Additional Features

- M-Learning Suite supports Roles Based Access Controls (RBAC) – training staff and students only see what they are authorized to see. RBAC is fully configurable.
- At the present time, there are six roles (we can make more):
 - Public (does not require PIN login)
 - Public role does not record any info such as completions
 - DoD
 - UK Partnership Lab (Defence Centre of Training Support)
 - Canadian Partnership Lab (Canadian Defence Academy)
 - Polish Partnership Lab (Polish National Defence University)
 - Developers (allows development and review on the production server)
 - At the present time, the Partnership Labs do not have connectivity with their LMS' – correlation of students with PINs is done by looking at the m-Learning Suite dashboard and manually correlating PINs to students via spreadsheet.
- Training staffs can share content among each role as required

Way Ahead

- **Continuing ADL/Partner lab coalition collaboration**
 - Best practices and lessons learned sharing
 - Content sharing
- **Expansion of content development**
- **Instructional strategies for mobile learning strategies**
- **Guidance and best practices on mobile learning development for the DoD community**

Learn More



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Instructional Videos

iPhone: <http://bit.ly/jko-vid-iphone>

Android: <http://bit.ly/jko-vid-droid>